

**WHAT IS CLAIMED IS:**

1. A biochip measuring method for measuring a plurality of types of biopolymers on a biochip using fluorescence or colorimetric means, by measuring a plurality of images, moving said biochip step-wise by an integer multiple of the field of view on the sample of a one- or two-dimensional array detector, then obtaining an image of said biochip by combining said plurality of images.

2. A biochip measuring method in accordance with claim 1, wherein the number of said moving steps is within 50 on each axis of Cartesian coordinates or polar coordinates on the plane of said biochip.

3. A biochip measuring method in accordance with claim 1 or claim 2, wherein said movement is made by driving a stage on which the sample is mounted using electromagnetic, electrostatic, or piezoelectric means.

4. A biochip measuring method in accordance with either claim 1 to claim 3, wherein when the field-of-view images are to be combined in said image combination, said combination is implemented so that the boundary of combination does not overlap with the site part of said biochip.

5. A biochip measuring method in accordance with any of claim 1 to claim 4, wherein, in measurement of said plurality of images, the images are measured by moving the field-of-view step-wise while jumping over non-sample areas.

6. Biochip measuring equipment for measuring a plurality of types of biopolymers on a biochip using fluorescence or colorimetric means, in which the following items are comprised and a biochip image is obtained by using these items:

a one-dimensional or two-dimensional array detector for measuring images of biopolymers on the surface of said biochip,

a stage on which a sample having a measurement area wider than the field-of-view of said array detector is mounted,

a driving means that moves said stage step-wise by an integer multiple of the field-of-view of said array detector, and

an image combining means which combines a plurality of images of the biochip obtained by said array detector.